



Amendments to the Specification

Please replace existing paragraph [24] the following amended paragraph:

[24] FIG. 3B shows in a simplified fashion the wave guide structure of the array 20. The wave guide structure includes an upper conductive plate structure 30 defining the set of continuous transverse stubs, and a lower conductive plate structure 28 disposed in a spaced relationship relative to the upper plate structure to define the wave guide region 32 in which the parallel plate mode, traveling wave propagates. In one exemplary embodiment, the region 32 is filled with a dielectric, and the structures 30, 28 are formed by plating external surfaces of the dielectric with metal. In other embodiments, the structures 30, 28 can be self-supporting plate structures, and the region 32 either air-filled or dielectric-filled. An exemplary dielectric material suitable for the purpose is Rexolite (TM) Rexolite TM, with a relative dielectric constant of ϵ_r . While FIG. 3B shows the bottom plate structure 28 as generally parallel to the upper plate structure 30, this is not required; for some applications, some tilt may be employed.